

Nixon & Vanderhye P. C.

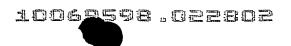
RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MATE COMF	RIAL FOR USE IN EXT PLICATION FACTORS	RACORPOREAL CIRCULA	TION, ADSORBENT, F	REMOVAL UNIT AND	REMOVING	METHOD FOR DI	ABETIC
	fication of which (check ap	plicable box(s)):	· · · · · · · · · · · · · · · · · · ·				
	is attached hereto						
	was filed on		as U.S. Application	n Serial No.		(Atty Dkt. No.)
⊠ and (if	was filed as PCT Internation	onal application No. PC	CT/JP00/06172	on	September 08	3, 2000	
and (II	applicable to U.S. or PC1	application) was amended on					
37 C.F.R below an which pric Priority Fo	ent referred to above. I ac . 1.56. I hereby claim fore id have also identified be ority is claimed or, if no prio oreign Application(s):	ed and understand the col knowledge the duty to discle eign priority benefits under 3 low any foreign application rity is claimed, before the filing	ose information which is 35 U. S. C. 119/365 of a for patent or inventor's	material to the patent any foreign application certificate having a	ability of this a	pplication in accorda	ance with
Applic	cation Number		Country			Day/Month/Year	Filed
25446	3/99		Japan			08 Septembe	er 1999
I hereby of the subject U.S.C. 11	claim the benefit under 35 ct matter of each of the cl	J.S.C. § 119(e) of any United 5 U.S.C. 120/365 of all prior aims of this application is no y to disclose material inforr international filing date of this	Date/Month/Year F United States and PC t disclosed in such prionation as defined in 37	Finternational applica	anner provided	t but the first naveau	6 2E
Prior I	J.S./PCT Application(s):						
Applic	ration Serial No.		Day/Month/Year F	iled		Status: pa pending, abar	
imprisonn applicatio 22201-47 address) connected 31352; R Leonard (32955; L 37334; M	nor further that these state nearly or both, under Section or any patent issued to 14, telephone number (7 individually and collective of therewith and with the ichard G. Besha, 22770; C. Mitchard, 29009; Duane Scott Davidson, 33489; ichael J. Shea, 34725; Dr.	made herein of my own knements were made with the on 1001 of Title 18 of the Unhereon. And I hereby apply 103)816-4000 (to whom allely my attorneys to prosecresulting patent: Larry S. Mark E. Nusbaum, 32348; eM. Byers, 33363; Jeffry H. Alan M. Kagen, 36178; Rotonald L. Jackson, 41090; M. Shiniji (first)	knowledge that willful ited States Code and the ited States Communications are to ute this application and Nixon, 25640; Arthur R. Michael J. Keenan, 3 Nelson, 30481; John R. Nest A. Molan, 29834; Eichelle N. Lester, 3233 Gary T. Tanigawa, 43180	false statements and lat such willful false st RHYE P.C., 1100 No o be directed), and the tot ransact all busing the control of the control o	the like so madatements may urth Glebe Rd he following attness in the Parames T. Hosm dson, 30251; SVarren Burnarrames D. Berqu (828; Joseph S	de are punishable bijeopardize the valid ijeopardize the valid 8 th Floor, Arling torneys thereof (of that at and Trademaier, 30184; Robert Vistanley C. Spooner n, Jr. 29366; Mary Juist, 34776; Updeep S. Presta, 35329; Johannes	by fine or ity of the ston, VA he same rk Office W. Faris, ; 27393; Wilson, p S. Gill, poseph A.
2.	Residence: (city) Mailing Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code)	Moriyama-shi, Shiga 3-11-302, Katsube 4-chom 520-0041 Masahiro (first) Kusatsu-shi, Shiga 2-15-703, Kusatsu 2-chom 525-0034	ne, Moriyama-shi, Shiga, Who ta MI	KUBOTA (last) (state/country) Jap		(citizenshi	002 e
	(—·F =/						

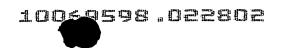
See attached sheet(s) for additional inventor(s) information!!





3.	Inventor's Signature:				Date:	
	Inventor:	Hideo		AKIYAMA	_	Japanese
		(first)	MI	(last)		(citizenship) .
	Residence: (city)	Kamakura-shi, Kanagawa		(state/country) Japar		
	Mailing Address:	31-22-S103, Tsunishi 1-chome	e, Kamakura-sl	ni Kanagawa, Japan		
	(Zip Code)	248-0034				
4.	Inventor's Signature:				Date:	
••	Inventor:	Mina		USUI		Japanese
	***************************************	(first)	MI	(last)		(citizenship)
	Residence: (city)	Yamato-shi, Kanagawa		(state/country) <u>Japan</u>		
	Mailing Address:	17-4, Minamirinkan 8-chome,	Yamato-shi, Ka	anagawa, Japan		
	(Zin Code)	242-0006				





Nixon & Vanderhye P. C.

RULE 63 (37 C.F.R. 1.63) **DECLARATION AND POWER OF ATTORNEY** FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ne spec	fication of which (check appl	icable box(s)):					
	is attached hereto						_
	was filed on		as U.S. Application Se			(Atty Dkt. No.	
⊠	was filed as PCT Internation	• •	PCT/JP00/06172	on	Septembe	r 08, 2000	
and (i	applicable to U.S. or PCT ap	plication) was amei	naea on				
mendm 37 C.F.R below at which pr	ent referred to above. I acknown. . 1.56. I hereby claim foreign ad have also identified belov	owledge the duty to n priority benefits un v any foreign applic	te contents of the above identifications information which is material 35 U. S. C. 119/365 of any feation for patent or inventor's cere the filing date of this application:	terial to the pater foreign application	itability of this n(s) for pater	application in accord nt or inventor's certific	ance with ate listed
	ation Number		Country			Day/Month/Year	Filed
25446	3/99		Japan			08 September	er 1999
		J.S.C. § 119(e) of a	any United States provisional app		below.		
Appli	ation Number		Date/Month/Year Filed				
J.S.C. 1		o disclose material	n is not disclosed in such prior app information as defined in 37 C.F te of this application:			veen the filing date of	the prior
Applic	ation Serial No.		Day/Month/Year Filed			Status: panding, abai	ndoned
Applie hereby he true; hprison hpplicatio honnecte hase; honnecte hase; heonard heenard heenard hase; hase hase hase hase hase hase hase hase	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively d therewith and with the retichard G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Allichael J. Shea, 34725; Don	tents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who my attorneys to position patent: Lark E. Nusbaum, 3 M. Byers, 33363; Jehn M. Kagen, 3617 ald L. Jackson, 410	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY and I communications are to borosecute this application and to ry S. Nixon, 25640; Arthur R. Co 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F	all statements made statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 68 ryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1	I the like so natatements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be	ation and belief are be made are punishable lay jeopardize the valid Rd., 8 th Floor, Arling attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone lam, Jr. 29366; Mary serquist, 34776; Updee	elieved to by fine or lity of the gton, VA the same the Same the V. Faris, r, 27393; J. Wilson, p S. Gill,
hereby be true; mprison inpolication in the compression in the compres	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the resichard G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Alalichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420	tents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who my attorneys to position patent: Lark E. Nusbaum, 3 M. Byers, 33363; Jehn M. Kagen, 3617 ald L. Jackson, 410	wn knowledge are true and that a th the knowledge that willful false the United States Code and that sy appoint NIXON & VANDERHY and I communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Ci 23248; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J.	all statements made statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 68 ryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1	I the like so natatements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep	ation and belief are be made are punishable lay jeopardize the valid Rd., 8 th Floor, Arling attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone lam, Jr. 29366; Mary serquist, 34776; Updee	elieved to by fine or lity of the gton, VA the same the Sfice W. Faris r, 27393; J. Wilson, p S. Gill,
Applie hereby he true; hprison hpplicatio honnecte hase; honnecte hase; heonard heenard heenard hase; hase hase hase hase hase hase hase hase	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (70; individually and collectively d therewith and with the resichard G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Aldichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41421 Inventor's Signature:	ents were made with 1001 of Title 18 of the reon. And I hereby 1816-4000 (to who my attorneys to pulting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jean M. Kagen, 3617 ald L. Jackson, 410 3; Chris Comuntzis,	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY and I communications are to borosecute this application and to ry S. Nixon, 25640; Arthur R. Co 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F	all statements made statements and estatements and such willful false size P.C., 1100 Ne directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1	the like so not attements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are benade are punishable and punishable and punishable and penade are punishable and penade are punishable and penade are punishable and Tradema attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone am, Jr. 29366; Mary serquist, 34776; Updee h S. Presta, 35329; J	elieved to by fine on dity of the gton, VA the same ark Office W. Faris r, 27393; J. Wilson, p S. Gill, oseph A.
hereby he true; mprison pplicati 2201-4; ddress) onnecte 1352; F eonard 2955; J 7334; N thoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the resichard G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Alalichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420	tents were made with 1001 of Title 18 of the reon. And I hereby 1)816-4000 (to who my attorneys to putting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jean M. Kagen, 3617-ald L. Jackson, 410 S; Chris Comuntzis,	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY and I communications are to borosecute this application and to ry S. Nixon, 25640; Arthur R. Co 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F	all statements made statements and estatements and cuch willful false so the P.C., 1100 Note directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1	the like so not attements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are be made are punishable lay jeopardize the valid Rd., 8 th Floor, Arling attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone lam, Jr. 29366; Mary serquist, 34776; Updee	elieved to by fine or dity of the gton, VA the same ark Office W. Faris r, 27393; J. Wilson, p S. Gill, oseph A.
hereby he true; mprison pplicati 2201-4; ddress) onnecte 1352; F eonard 2955; J 7334; N thoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (70; individually and collectively d therewith and with the resichard G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Aldichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41421 Inventor's Signature:	ents were made with 1001 of Title 18 of the reon. And I hereby 1816-4000 (to who my attorneys to pulting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jean M. Kagen, 3617 ald L. Jackson, 410 3; Chris Comuntzis,	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY an all communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Crig Sayas, Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F 31097; Gary T. Tanigawa, 431804	all statements made statements and estatements and cuch willful falses of P.C., 1100 Note directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 statement of the statem	the like so not attements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are benade are punishable and punishable and punishable and penade are punishable and penade are punishable and penade are punishable attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone arm, Jr. 29366; Mary arquist, 34776; Updee h S. Presta, 35329; Japanee	elieved to by fine or dity of the gton, VA the same ark Office W. Faris r, 27393; J. Wilson, p S. Gill, oseph A.
hereby he true; mprison pplicati 2201-4; ddress) onnecte 1352; F eonard 2955; J 7334; N thoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (70: individually and collectively ditherewith and with the resident G. Besha, 22770; MC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Alalichael J. Shea, 34725; Don 515; Raymond Y. Mah, 4142: Inventor's Signature: Inventor:	tents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who my attorneys to poulting patent: : Lar ark E. Nusbaum, 36. Byers, 33363; Jean M. Kagen, 3617 ald L. Jackson, 4105; Chris Comuntzis, Shinji (first) Moriyama-shi, Shighan 1001 of Title 18	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY an all communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Crig Sayas, Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F 31097; Gary T. Tanigawa, 431804	all statements may be statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 SHIMIZ (last) ate/country)J	I the like so not attements morth Gleber the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are benade are punishable and punishable and punishable and penade are punishable and penade are punishable and penade are punishable attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone arm, Jr. 29366; Mary arquist, 34776; Updee h S. Presta, 35329; Japanee	elieved to by fine or dity of the gton, VA the same ark Office W. Faris r, 27393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison ipplication (2201-4) ddress) connecte (1352; F eonard (2955; J (7334; N Rhoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the restichard G. Besha, 22770; M.C. Mitchard, 29009; Duane M. Scott Davidson, 33489; Allichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420 Inventor's Signature: Inventor: Residence: (city)	tents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who my attorneys to poulting patent: : Lar ark E. Nusbaum, 36. Byers, 33363; Jean M. Kagen, 3617 ald L. Jackson, 4105; Chris Comuntzis, Shinji (first) Moriyama-shi, Shighan 1001 of Title 18	wn knowledge are true and that a th the knowledge that willful false the United States Code and that sy appoint NIXON & VANDERHY and I communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Cr. 232348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F. 31097; Gary T. Tanigawa, 43180 MI	all statements may be statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 SHIMIZ (last) ate/country)J	I the like so not attements morth Gleber the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are benade are punishable and punishable and punishable and penade are punishable and penade are punishable and penade are punishable attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone arm, Jr. 29366; Mary arquist, 34776; Updee h S. Presta, 35329; Japanee	elieved to by fine or dity of the gton, VA the same ark Office W. Faris, r, 27393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison application (2201-4) address) connecte (1352; F. (2955; J (17334; N (2003) 1.	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the retichard G. Besha, 22770; M.C. Mitchard, 29009; Duane M. Scott Davidson, 33489; All lichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420 Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code)	tents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who my attorneys to poulting patent: : Lar ark E. Nusbaum, 36. Byers, 33363; Jean M. Kagen, 3617 ald L. Jackson, 4103; Chris Comuntzis, Shinji (first) Moriyama-shi, Shiga-11-302, Katsube	wn knowledge are true and that a th the knowledge that willful false the United States Code and that sy appoint NIXON & VANDERHY and I communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Cr. 232348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F. 31097; Gary T. Tanigawa, 43180 MI	all statements may be statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 SHIMIZ (last) ate/country)J	I the like so natatements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date:	ation and belief are benade are punishable and punishable and punishable and penade are punishable and penade are punishable and penade are punishable attorneys thereof (of Patent and Tradema smer, 30184; Robert I; Stanley C. Spoone arm, Jr. 29366; Mary arquist, 34776; Updee h S. Presta, 35329; Japanee	elieved to by fine or dity of the gton, VA the same ark Office W. Faris, r, 27393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison ipplication (2201-4) ddress) connecte (1352; F eonard (2955; J (7334; N Rhoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the resident G. Besha, 22770; McC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Alalichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420 Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code) Inventor's Signature:	nents were made with 1001 of Title 18 of the reon. And I hereby 1816-4000 (to whomage) attorneys to putting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jehn M. Kagen, 3617 and L. Jackson, 410 G; Chris Comuntzis, Shinji (first) Moriyama-shi, Shigma-1910, Katsube 520-0041	wn knowledge are true and that a th the knowledge that willful false the United States Code and that sy appoint NIXON & VANDERHY and I communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Cr. 232348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La B; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F. 31097; Gary T. Tanigawa, 43180 MI	all statements may statements and such willful falses of F.C., 1100 Note directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 (last) te/country)Japan	I the like so not a transfer of the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date: U Date: Date:	ation and belief are benade are punishable and jeopardize the valid Rd., 8th Floor, Arlinattorneys thereof (of Patent and Trademasmer, 30184; Robert I; Stanley C. Spoone and, Jr. 29366; Mary Arruist, 34776; Updee h S. Presta, 35329; Japanes (citizens)	elieved to by fine or dity of the gton, VA the same or C7393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison application (2201-4) address) connecte (1352; F. (2955; J (17334; N (2003) 1.	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the retichard G. Besha, 22770; M.C. Mitchard, 29009; Duane M. Scott Davidson, 33489; All lichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420 Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code)	nents were made with 1001 of Title 18 of the reon. And I hereby 1816-4000 (to who my attorneys to putting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jean M. Kagen, 3617-ald L. Jackson, 410 S; Chris Comuntzis, Shinji (first) Moriyama-shi, Shig 3-11-302, Katsube 520-0041	wn knowledge are true and that a th the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY m all communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Ci 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. L. J. 8; Robert A. Molan, 29834; B. J. 1990; Michelle N. Lester, 32331; F. 31097; Gary T. Tanigawa, 43180* MI MI (sta 4-chome, Moriyama-shi, Shiga, J.	all statements may a statements and such willful falses of F.C., 1100 N e directed), and transact all bus rawford, 25327; 6; Bryan H. Dav stova, 33149; H. Sadoff, 36663; rank P. Presta, 1 (last) apan	I the like so not a transfer of the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date: U Date: Date:	ation and belief are by made are punishable and punishable and punishable and jeopardize the valid attorneys thereof (of Patent and Tradema smer, 30184; Robert and Tradema smer, 30184; Robert and Jr. 29366; Mary and Japanes (citizens)	elieved to by fine or dity of the gton, VA the same ork Office W. Faris, r, 27393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison application 2201-4; address) connecte 31352; F. eeonard 32955; J. 77334; M. Rhoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the resident G. Besha, 22770; McC. Mitchard, 29009; Duane M. Scott Davidson, 33489; Alalichael J. Shea, 34725; Don 515; Raymond Y. Mah, 41420 Inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code) Inventor's Signature:	nents were made with 1001 of Title 18 of the reon. And I hereby 1816-4000 (to whomage) attorneys to putting patent: Larark E. Nusbaum, 3 M. Byers, 33363; Jehn M. Kagen, 3617 and L. Jackson, 410 G; Chris Comuntzis, Shinji (first) Moriyama-shi, Shigma-1910, Katsube 520-0041	wn knowledge are true and that a tith the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY m all communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Cr 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La 8; Robert A. Molan, 29834; B. 1990; Michelle N. Lester, 32331; F 31097; Gary T. Tanigawa, 43180 from MI	all statements may statements and such willful falses of F.C., 1100 Note directed), and transact all bus rawford, 25327; 6; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 (last) te/country)Japan	the like so natatements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date: U apan Date:	ation and belief are benade are punishable and jeopardize the valid Rd., 8th Floor, Arlinattorneys thereof (of Patent and Trademasmer, 30184; Robert I; Stanley C. Spoone and, Jr. 29366; Mary Arruist, 34776; Updee h S. Presta, 35329; Japanes (citizens)	elieved to by fine or dity of the gton, VA the same ark Office W. Faris, r, 27393; J. Wilson, p S. Gill, oseph A.
hereby be true; mprison application 2201-4; address) connecte 31352; F. eeonard 32955; J. 77334; M. Rhoa, 37	declare that all statements mand further that these statement, or both, under Section or any patent issued the 14, telephone number (703 individually and collectively ditherewith and with the resident of Besha, 22770; Mc. Mitchard, 29009; Duane Mc. Scott Davidson, 33489; Aldichael J. Shea, 34725; Don 515; Raymond Y. Mah, 4142 inventor's Signature: Inventor: Residence: (city) Mailing Address: (Zip Code) Inventor's Signature: Inventor:	nents were made with 1001 of Title 18 of the treen. And I hereby 1)816-4000 (to who is the treen at the treen	wn knowledge are true and that a tith the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY m all communications are to be prosecute this application and to ry S. Nixon, 25640; Arthur R. Cr 12348; Michael J. Keenan, 3210 ffry H. Nelson, 30481; John R. La 8; Robert A. Molan, 29834; B. 1990; Michelle N. Lester, 32331; F 31097; Gary T. Tanigawa, 43180 from MI	all statements made statements and such willful false of P.C., 1100 No directed), and transact all bus rawford, 25327; 66; Bryan H. Davistova, 33149; H. Sadoff, 36663; rank P. Presta, 1 (last) apan KUBOT (last) ate/country)Japan	the like so natatements morth Glebe the following siness in the James T. Horidson, 30251 Warren Burn James D. Be 19828; Josep Date: U apan Date:	ation and belief are by made are punishable and punishable and punishable and jeopardize the valid attorneys thereof (of Patent and Tradema smer, 30184; Robert and Tradema smer, 30184; Robert and Jr. 29366; Mary and Japanes (citizens)	elieved to by fine on dity of the gton, VA the same of the same of



3.	Inventor's Signature:	Ivideo -	>-00	Abstract	Date:	Feb. 19. 2002
	Inventor:	Hideo		AKIYAMA		Japanese
		(first)	MI	(last)	•	(citizenship)
	Residence: (city)	Kamakura-shi, Kanagay	va	(state/country) Japa	in	
	Mailing Address:	31-22-S103, Tsunishi 1-	chome, Kamakura-s	hi Kanagawa, Japan 🦙	$\overline{\mathcal{N}}$	
	(Zip Code)	248-0034			7	
4.	Inventor's Signature:			•	Date:	
	Inventor:	Mina		USUI		Japanese
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Yamato-shi, Kanagawa		(state/country) Japa	in	
	Mailing Address:	17-4, Minamirinkan 8-ct	ome, Yamato-shi, Ka	anagawa, Japan		
	(Zin Code)	242-0006				





Nixon & Vanderhye P. C.

RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

	RIAL FOR USE IN EXTR LICATION FACTORS	ACORPOREAL CIRC	CULATION, ADSORBE	NT, REMOVAL UN	IIT AND RE	MOVING METH	OD FOR DIA	BETIC
	cation of which (check ap	plicable box(s)) :	· · · · · · · · · · · · · · · · · · ·					
	s attached hereto							
	vas filed on			lication Serial No.			Okt. No.	
	vas filed as PCT Internation		PCT/JP00/06172		on <u>Ser</u>	otember 08, 200	00	
ano (ir a	applicable to U.S. or PCT	application) was amen	adea on					
amendme 37 C.F.R. below and which prio Priority Fo	state that I have reviewed nt referred to above. I ack 1.56. I hereby claim foreid thave also identified belority is claimed or, if no pricoreign Application(s): atton Number	nowledge the duty to ognority benefits un ow any foreign application	disclose information wh der 35 U. S. C. 119/36 ation for patent or inve	nich is material to the 55 of any foreign apentor's certificate ha oplication:	e patentability plication(s) for	y of this applica or patent or inve date before tha	tion in accordar entor's certificat	nce with te listed ation on
				•			-	
254463	/99		Japa	เท			08 September	1999
Applica I hereby cothe subject	elaim the benefit under 35 atton Number Elaim the benefit under 35 at matter of each of the class, I acknowledge the duty as and the national or PCT	U.S.C. 120/365 of all tims of this application to disclose material	prior United States an is not disclosed in suc information as defined	Year Filed and PCT international prior applications	applications in the manne	listed above or	ne first paragrap	oh of 35
		3	• • •					
	.S./PCT Application(s): ation Serial No.		Day/Month/\	ear Filed		F	Status: pat pending, aband	
pe true; au mprisonmapplication 22201-471 address) i connected 31352; Richard C32955; J. 37334; Mili	eclare that all statements and further that these statement, or both, under Section or any patent issued to the statement of	ements were made with n 1001 of Title 18 of the nereon. And I hereby 03)816-4000 (to who of the nereon attorneys to properly my attorneys 10 mark E. Nusbaum, 3 my M. Byers, 33363; Jeff Man M. Kagen, 36178 properly mald L. Jackson, 4108	th the knowledge that we united States Code of appoint NIXON & Vom all communications rosecute this application by S. Nixon, 25640; Ar 2348; Michael J. Keel fry H. Nelson, 30481; J. Robert A. Molan, 29 90; Michelle N. Lester,	willful false stateme and that such willfu ANDERHYE P.C., so are to be directed on and to transact thur R. Crawford, 2 man, 32106; Bryan John R. Lastova, 33 1834; B. J. Sadoff, 3 32331; Frank P. P	nts and the li I false statem 1100 North (dl), and the fo all business 55327; James H. Davidson 149; H. Warre 36663; James	ike so made are lents may jeopa Glebe Rd., 8 th Illowing attorney in the Patent s T. Hosmer, 30 , 30251; Stanle en Burnam, Jr. 2 s D. Berquist, 3	e punishable by rdize the validit Floor, Arlingt is thereof (of the and Trademark) 0184; Robert Wey C. Spooner, 29366; Mary J. 34776; Updeep	fine or ty of the ton, VA e same c Office f. Faris, 27393; Wilson, S. Gill,
1.	Inventor's Signature:					Date:		
	Inventor:	Shinji		;	SHIMIZU		Japanese	
	Desidence (sih)	(first)	MI	(-1-1-1-1	(last)		(citizenship	o)
	Residence: (city) Mailing Address:	Moriyama-shi, Shig	<u>a</u> 4-chome, Moriyama-sh	(state/count	ry) <u>Japan</u>		·	
	(Zip Code)	520-0041	4-chome, Monyama-sm	ii, Orliga, Japari	-			
_			-					
2.	Inventor's Signature:				(A)50=:	Date:	 	
	Inventor:	Masahiro	B.41		KUBOTA		Japanese	
	Residence: (city)	(first) Kusatsu-shi, Shiga	М	/state/count	(last)		(citizenship))
	Mailing Address:	2-15-703 Kusaten 1	2-chome, Kusatsu-shi,	(state/count	y) <u>Japan</u>			
	(Zip Code)	525-0034	_ onomo, nusalsu-sill,	oniga, vapan		.		
	(Lip 0000)	020-000-						



⊠ See attached sheet(s) for additional inventor(s) information!!



1006 98.022802

3.	Inventor's Signature:				Date:	
	Inventor:	Hideo		AKIYAMA		Japanese
	5	(first)	MI	(last)		(citizenship)
	Residence: (city)	Kamakura-shi, Kanagawa		(state/country) Japa	ın	
	Mailing Address:	31-22-S103, Tsunishi 1-chome	e, Kamakura-	shi Kanagawa, Japan		
	(Zip Code)	248-0034				
4.	Inventor's Signature:	minatt	D (Usur	Date:	Feb. 20, 2002
	Inventor:	Mina		-USUI		Japanese
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Yamato-shi, Kanagawa		(state/country) Japa	n	(Gilleonsinp)
	Mailing Address:	17-4, Minamirinkan 8-chome,				
	(Zip Code)	242-0006		Canagawa, Japan	V	